

## ABSTRACT

A nozzle unit for generating an abrasive jet. The nozzle unit has a first nozzle connected to a pressurized carrier fluid supply; a mixing chamber in which the first nozzle discharges; and a second nozzle connected to the mixing chamber. An abrasive particle inlet discharges in the mixing chamber. A proportion of the cross sectional area of the first nozzle opening ( $A_1$ ) and the cross sectional area of the second nozzle opening ( $A_2$ ) is in a range of 0.50-1.0.